FY04 NREL Performance Measures

December 11, 2003



Critical Outcome 1.0 - Science and Technology

Critical Outcome Performance Objectives Performance Indicators PI 1.1.1 Results of external and peer reviews validate the quality and 1.1 impact of programmatic technical and/or analytical outcomes. Demonstrate the quality of PI 1.1.2 External recognition focused on NREL's technical and/or scientific and technological analytical work and outcomes: a) external awards and outcomes. recognition; b) peer reviewed publications, and c) number of patents awarded. PI 1.2.1 Effective partnering and communication occurs between NREL 1.0 and DOE program managers as acknowledged by program Science and Technology managers. 1.2 MRI will deliver high quality PI 1.2.2 Program planning activities result in sound technical plans and scientific and technological Demonstrate excellence in well developed, longer-term program directions as outcomes that advance program planning and acknowledged by customers/stakeholders and peer and other DOE priorities and management, producing S&T reviews. Program objectives. accomplishments that advance DOE and program objectives. PI 1.2.3 Project management performance as measured against key milestones, budgets, subcontracting goals and other commitments as negotiated and represented in approved AOPs. PI 1.2.4 Programs and projects produce significant research and development accomplishments that positively impact the advancement of DOE missions and program goals.

1.3

Enhance market impacts of

EERE technologies through

technology transfer.



PI 1.3.1 Private sector partnerships have been developed to

PI 1.3.2 Barriers to the use of NREL technologies are removed.

commercialize NREL technologies.

Critical Outcome 2.0 - Leadership

Critical Outcome Performance Objectives Performance Indicators PI 2.1.1 Ideas, analysis, and other input from NREL impacts/influences 2.1 the strategic direction of DOE program or business strategies as acknowledged by customers, stakeholders, reviews. Demonstrate leadership in developing new opportunities PI 2.1.2 Participation in technical and other forums influences national for NREL. priorities, policy, or program directions. 2.0 PI 2.1.3 TPA projects are established, conducted, or expanded; Leadership providing opportunities to advance EERE goals and objectives. MRI will lead NREL as an FFRDC to create opportunities that significantly advance the EERE mission while 2.2 enhancing NREL's role as a recognized national PI 2.2.1 The preliminary systems integration foundation is established Provide leadership in and international asset. and reviewed externally. establishing and implementing the systems integration function PI 2.2.2 The first version of the integrated baseline for the DOE for EERE. Hydrogen Program is developed and validated.



Critical Outcome 3.0 - Technical and Scientific Viability

Critical Outcome

Performance Objective

Performance Indicators

3.0

Technical and Scientific Viability

MRI will ensure the longterm viability of the Laboratory by building and enhancing NREL's technical capabilities 3.1

Build, enhance, and sustain NREL's scientific, engineering and analytic capabilities.

PI 3.1.1 NREL technical capabilities are enhanced to effectively provide for long-term program needs and the Laboratory's sustainability and environmental goals. (e.g., staff, facilities, equipment, and discovery that enable science and technology work at NREL):

- Leadership and staff expertise: strategic hires, key staff additions, staff development assignments, training, and experiences
- Facility capabilities: enhancements to, and/or completed milestones in constructing/operating new facilities that represent added capability
- Equipment: enhancement and/or addition of scientific equipment
- DDRD investments and outcomes: new concepts/discovery/capability building



Critical Outcome 4.0 - Mission Support

Critical Outcome

Performance Objectives

Performance Indicators

4.0

Mission Support

MRI will manage and enhance NREL business and management systems, work processes, and capabilities to provide an effective and efficient work environment that enables the execution of NREL's mission.

Deliver efficient, effective, and responsive business and

operational support.

4.2

4.1

Strategic investments result in enhanced business and operational support processes and capabilities.

- PI 4.1.1 NREL's business and operational management system's processes, products, and services are effective, efficient, and valued as determined by appropriate management system/process performance metrics.
- PI 4.1.2 Performance against functional-level key task priorities as documented in AOPs, NREL/GO performance agreements, and the NREL One-Year Plan, for the following management systems: financial systems and management; site and facilities management; procurement and subcontracting; information services; human resource management; legal support; requirements management and implementation; security; and quality management, integrated planning, budgeting, and assessment.
- PI 4.1.3 Progress against the goals and objectives of Sustainable NREL and those stated in the GO/NREL "Performance Agreement for Energy Management."
- PI 4.2.1 Progress against key Lab-level business and operational improvements/enhancements as demonstrated by meeting planned milestones and budgets, including setting baseline metrics.
- PI 4.2.3 NREL support capabilities are strengthened through key staff additions, staff development assignments, training, and broadening experiences.



Critical Outcome 5.0 - Environment, Safety, and Health

Critical Outcome Performance Objectives Performance Indicators PI 5.1.1 Proactive identification and correction of issues and problems (e.g., self-assessments, surveillances, etc.). 5.1 Sustain excellence in safety, PI 5.1.2 NREL's ES&H performance relative to agreed upon health, and environmental performance goals. 5.0 protection. PI 5.1.3 Outcomes and achievements that demonstrate effective ES&H **Environment, Safety,** management for the Lab. and Health MRI will protect the safety and health of the NREL workforce, the community, and the environment. 5.2 Identify and implement PI 5.2.1 Opportunities for enhancing NREL's ES&H management enhanced ES&H processes, systems (e.g., ISM or sub-elements such as risk management, practices, systems, and tools NEPA, and other environmental management processes) are that enable the Laboratory to identified and an action plan is established. better meet its ES&H goals.



Critical Outcome 6.0 - Outreach and Stakeholder Relations

Critical Outcome Performance Objectives Performance Indicators 6.1 PI 6.1.1 Stakeholder relationships and networks are established. maintained, and enhanced in support of the DOE/NREL Promote awareness of mission DOF/FERE and NRFL PI 6.1.2 Opportunities for enhancing institutional visibility and reputation missions and technologies, and are created and implemented. build relationships that support 6.0 the strategic directions of the Quality institutional communications products are developed PI 6.1.3 Laboratory. Outreach and and recognized as supporting the advancement of DOE/NREL Stakeholder Relations goals. MRI will build strong and productive relationships and alliances with stakeholders, advance 6.2 PI 6.2.1 Opportunities for positive local community involvement and awareness and support demonstration of good corporate citizenship are created and Demonstrate value as a of the DOE renewable implemented. corporate citizen within the energy and energy community. PI 6.2.2 The Visitors Center is strengthened as a local community and efficiency mission, and DOF/NRFL asset. advance math, science, technology, and engineering education. 6.3 Available resources are effectively utilized for conducting DOE's PI 6.3.1 Implement programs that science, mathematics, technology, and engineering education advance high quality science, programs, and for positioning NREL as an education leader. mathematics, technology, and PI 6.3.2 Results of education evaluation tools and protocols indicate that engineering education. NREL education programs are effectively conducted and meet or exceed DOE National Laboratory education program standards.

